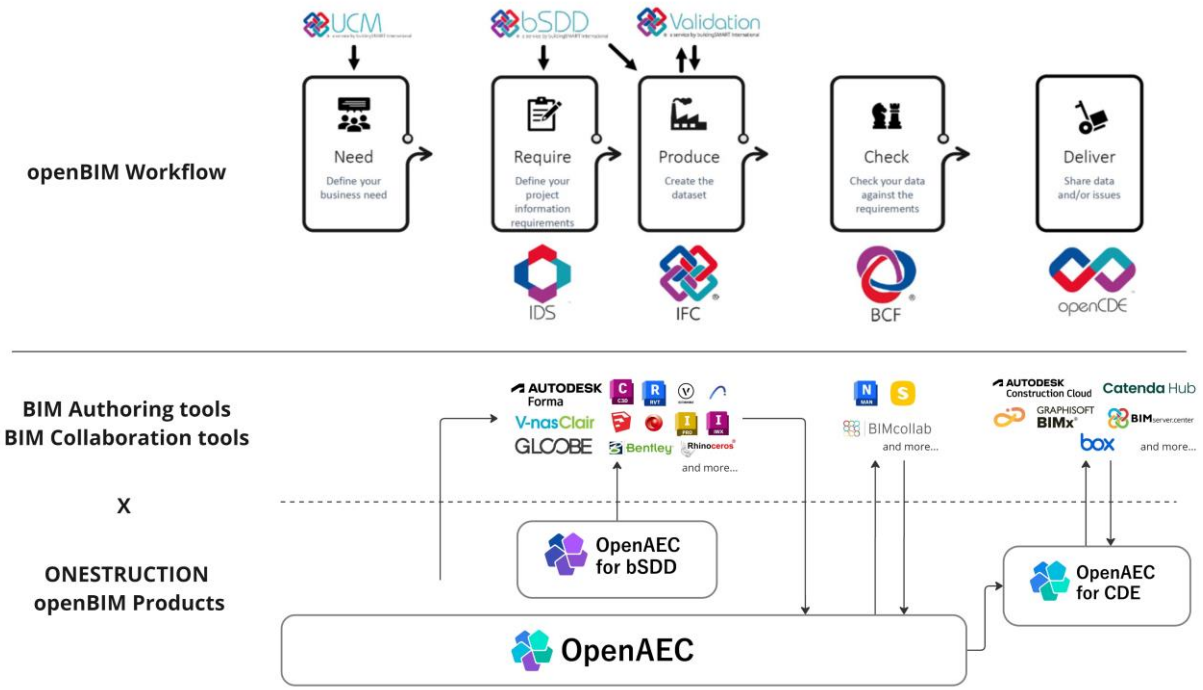
Our products contribute to the openBIM workflow

Product	Description
OpenAEC for bSDD	Add-in application for BIM authoring tools. (e.g., Revit, Civil 3D, etc.) Connections to flow information about bSDD into the BIM authoring tool.
OpenAEC	Web-based applications. The solution you need to achieve an openBIM workflow.
OpenAEC for CDE	Add-in application for rapid delivery of IFCs created and edited in OpenAEC to CDE



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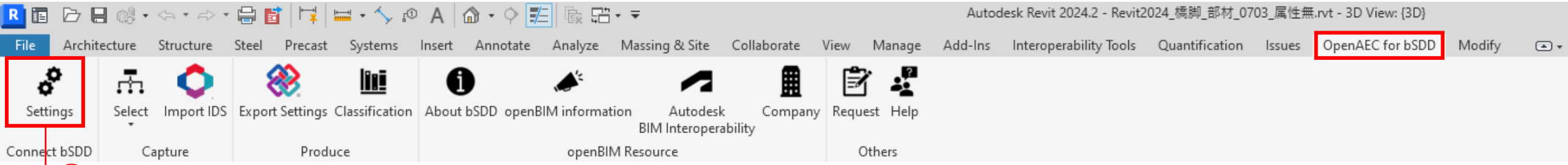
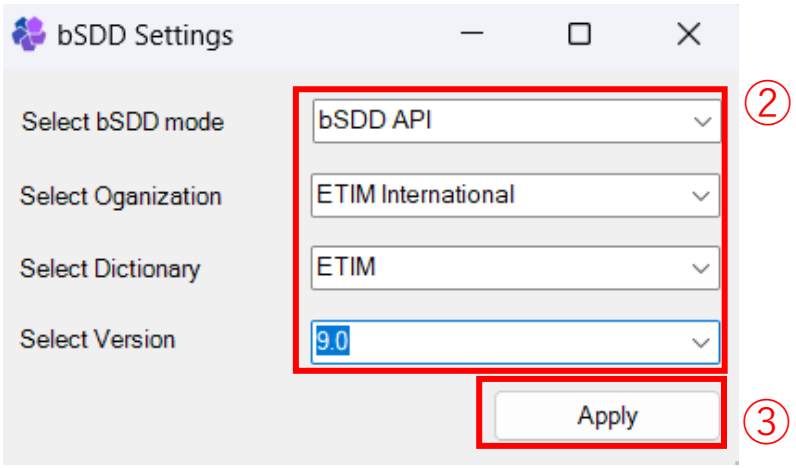
bSDD Revit plug-in “Connect bSDD”





1. Press the “Settings” button.

2. From the pull-down menu, select the organization, the dictionary, and its version. If you do not select all of these, you cannot connect to bSDD correctly.
   You can choose either the test mode or the production mode of bSDD.

3. Save settings.

Set the bSDD to be referenced in the project.
The setting items are organization, dictionary name, and version.

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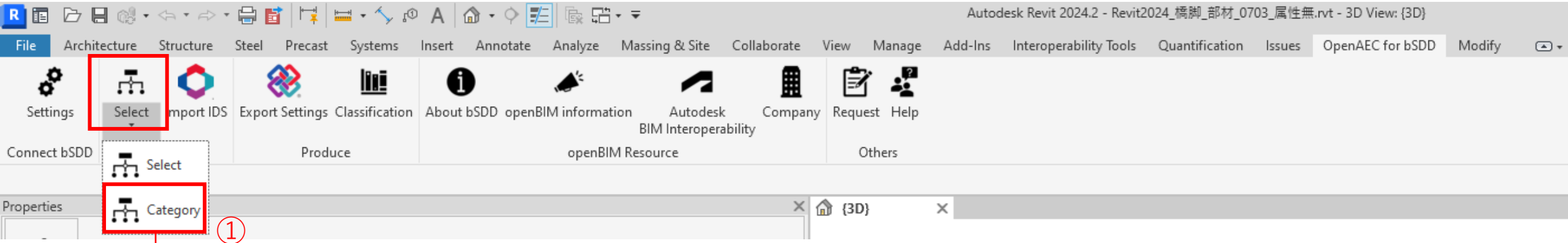
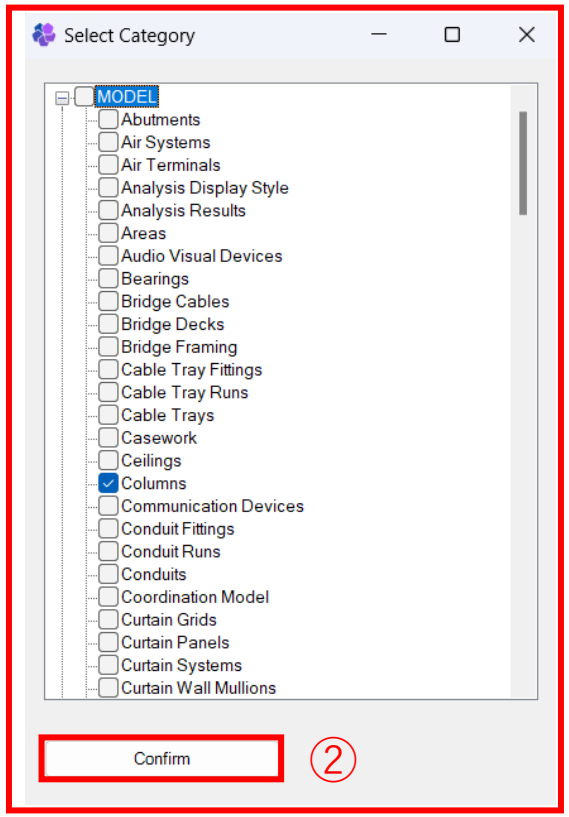
bSDD Revit plug-in “Capture”





1. You can choose either manual selection or batch selection by category selection.

2. Press “Confirm”

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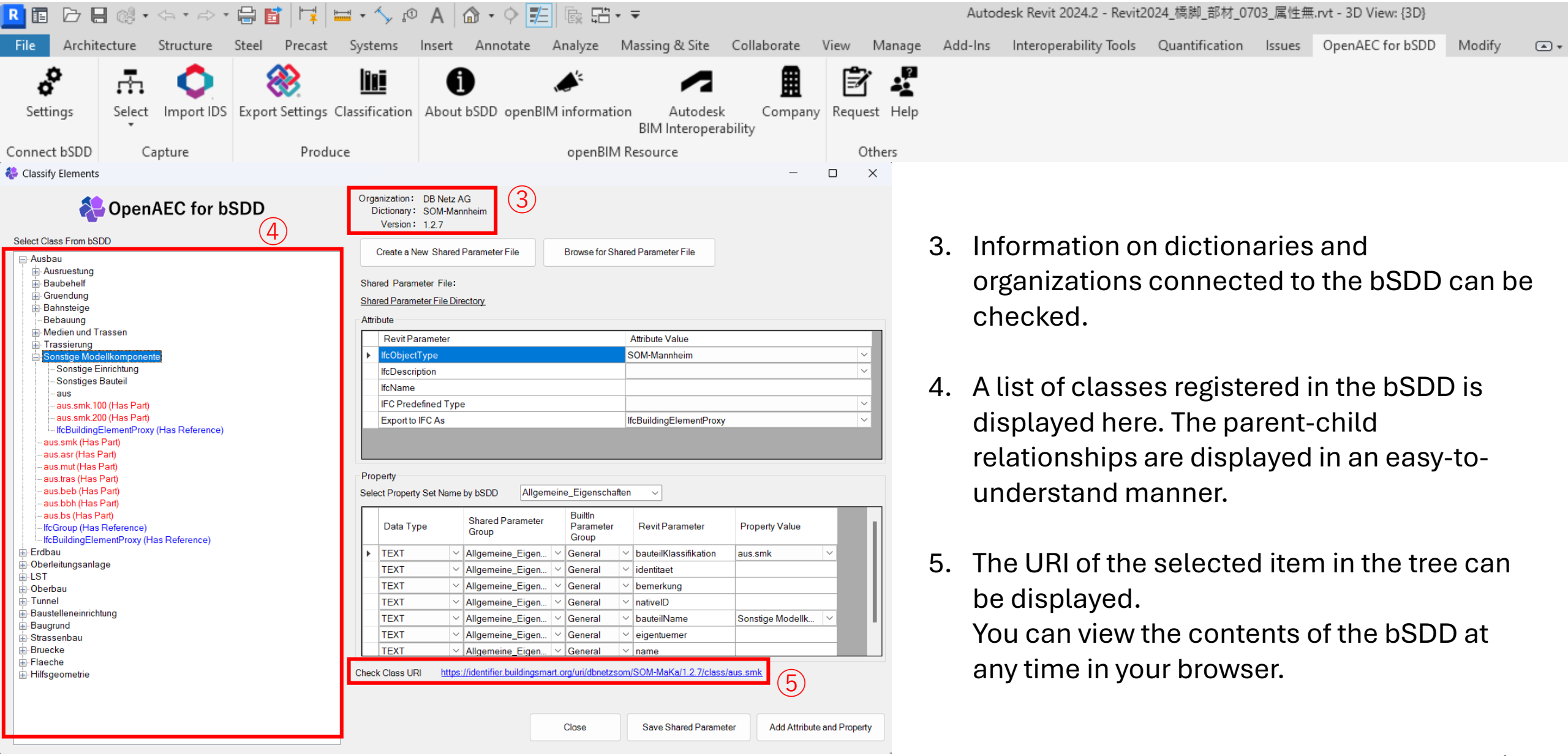
bSDD Revit plug-in “Capture”



3. Information on dictionaries and organizations connected to the bSDD can be checked.

4. A list of classes registered in the bSDD is displayed here. The parent-child relationships are displayed in an easy-to-understand manner.

5. The URI of the selected item in the tree can be displayed.
   You can view the contents of the bSDD at any time in your browser.

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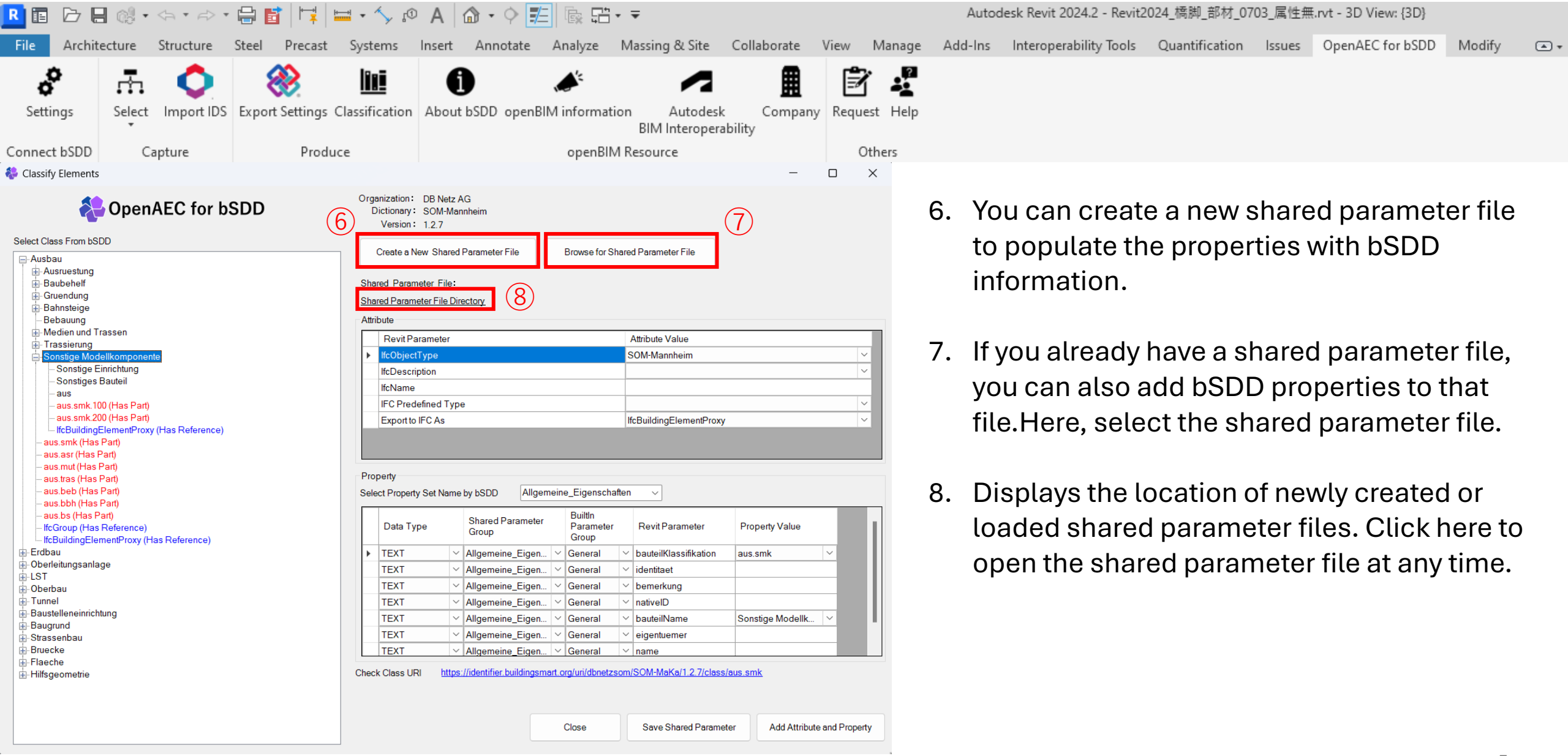
bSDD Revit plug-in “Capture”



6. You can create a new shared parameter file to populate the properties with bSDD information.

7. If you already have a shared parameter file, you can also add bSDD properties to that file.Here, select the shared parameter file.

8. Displays the location of newly created or loaded shared parameter files. Click here to open the shared parameter file at any time.

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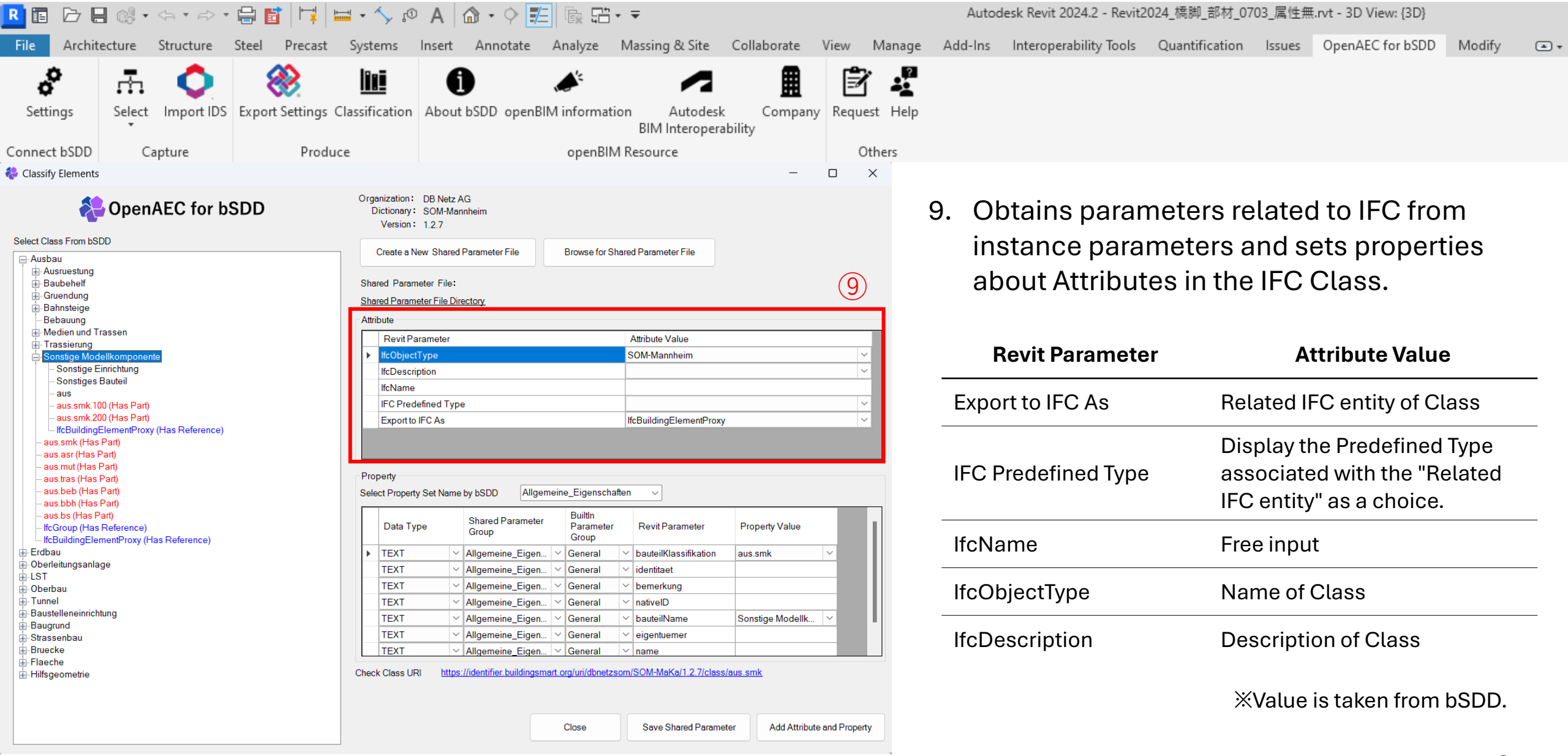
bSDD Revit plug-in “Capture”



9. Obtains parameters related to IFC from instance parameters and sets properties about Attributes in the IFC Class.

Revit Parameter	Attribute Value
Export to IFC As	Related IFC entity of Class
IFC Predefined Type	Display the Predefined Type associated with the "Related IFC entity" as a choice.
IfcName	Free input
IfcObjectType	Name of Class
IfcDescription	Description of Class

※Value is taken from bSDD.

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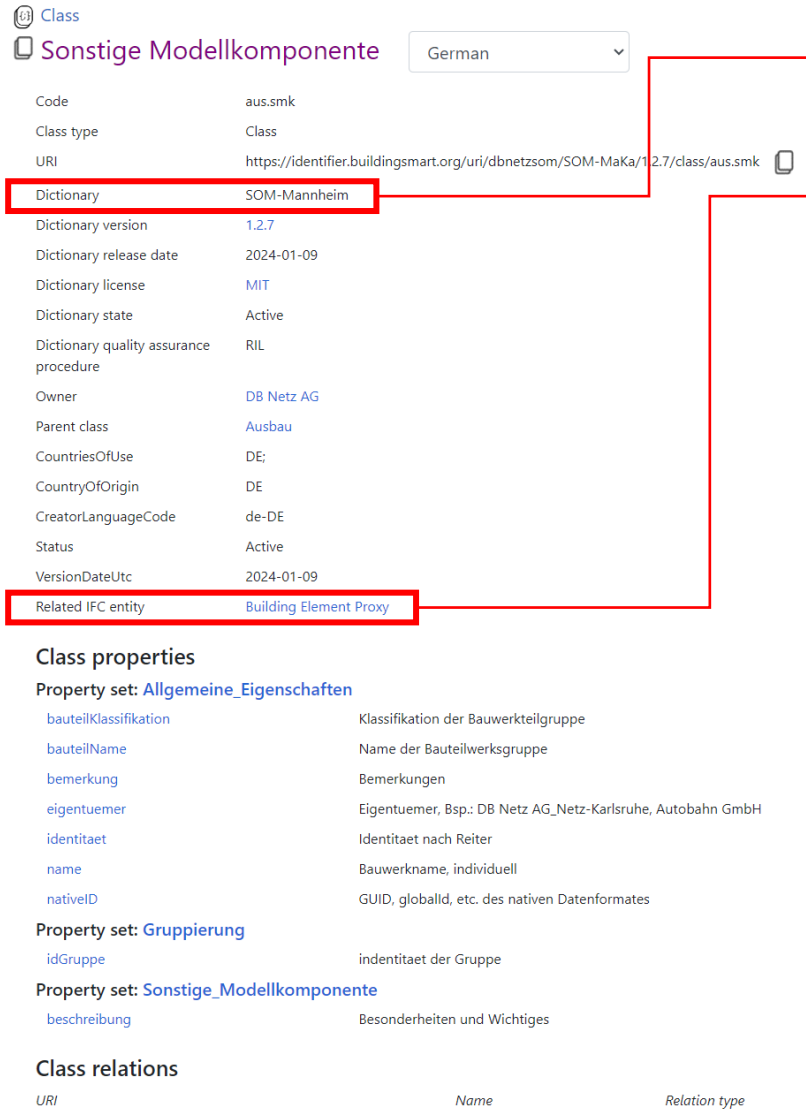
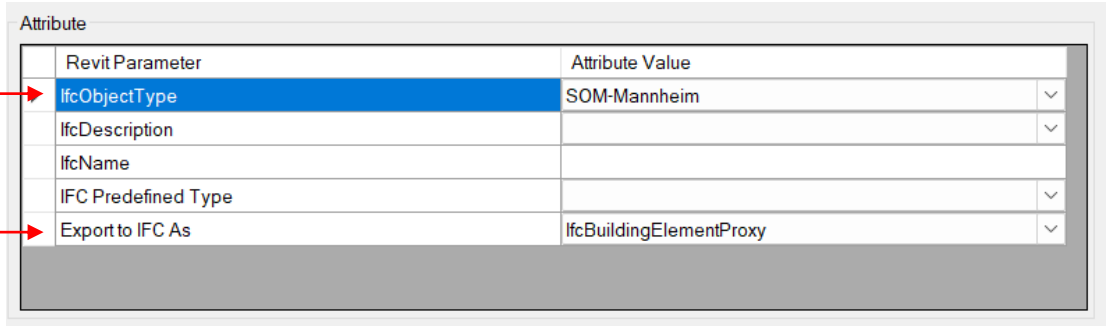
bSDD Revit plug-in “Capture”

For example,





Revit Parameter	Attribute Value
Export to IFC As	Related IFC entity of Class
IFC Predefined Type	Display the Predefined Type associated with the "Related IFC entity" as a choice.
IfcName	Free input
IfcObjectType	Dictionary of Class
IfcDescription	Description of Class

※Value is taken from bSDD.

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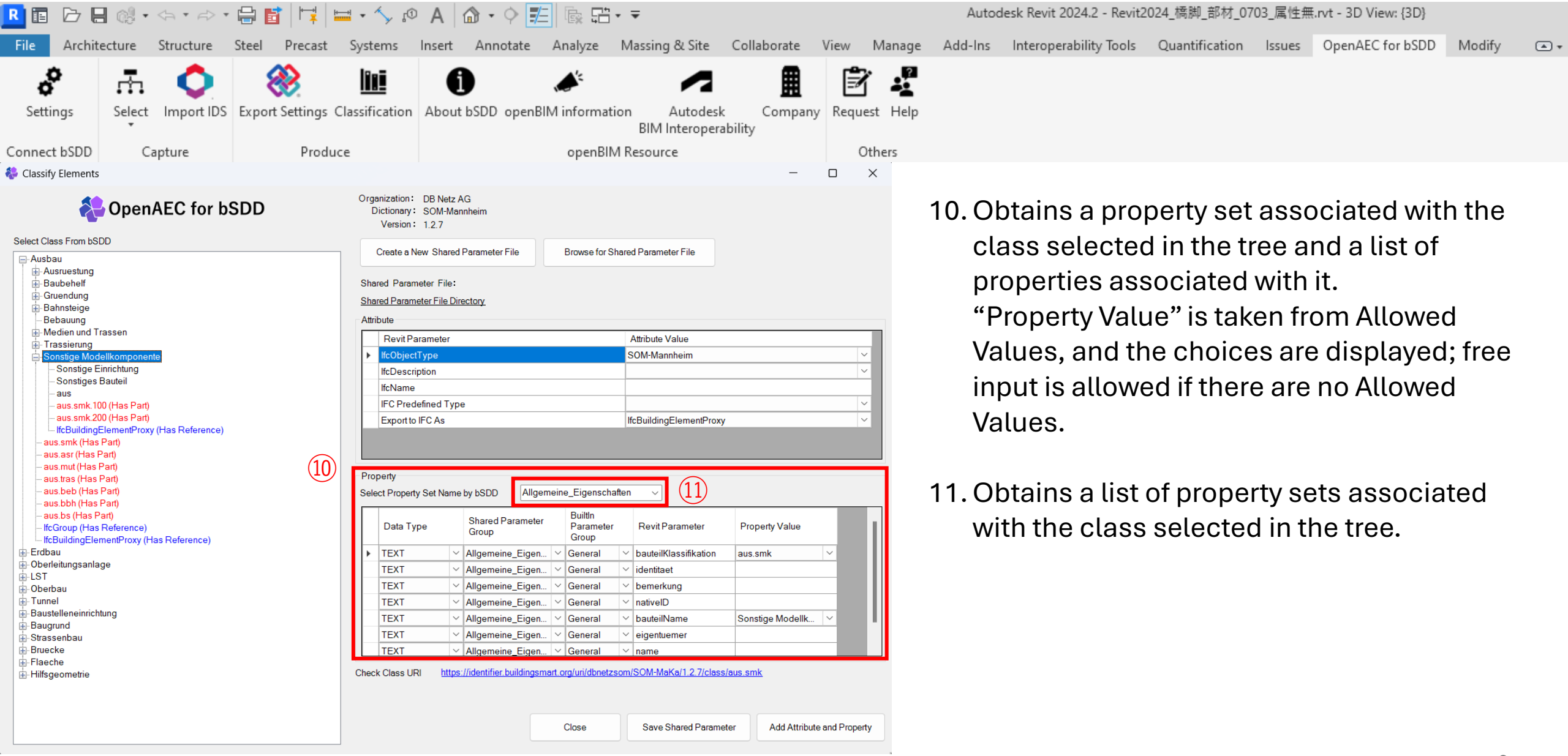
bSDD Revit plug-in “Capture”



10. Obtains a property set associated with the class selected in the tree and a list of properties associated with it.
“Property Value” is taken from Allowed Values, and the choices are displayed; free input is allowed if there are no Allowed Values.

11. Obtains a list of property sets associated with the class selected in the tree.

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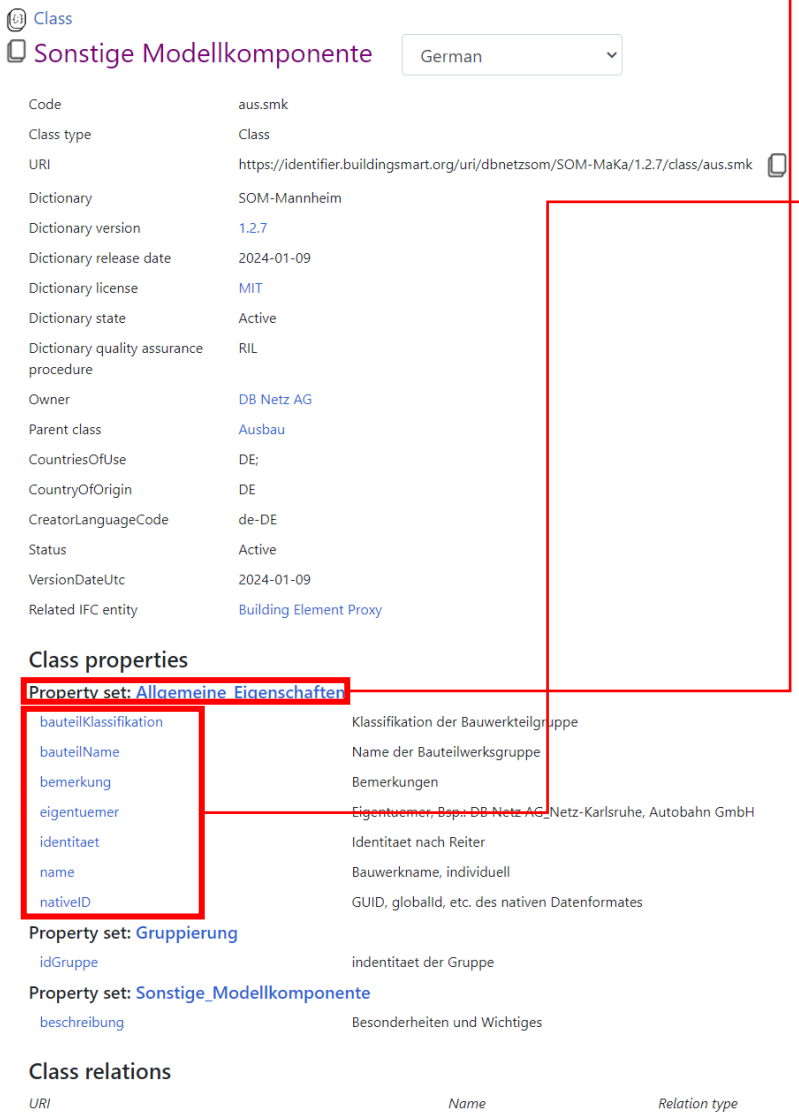
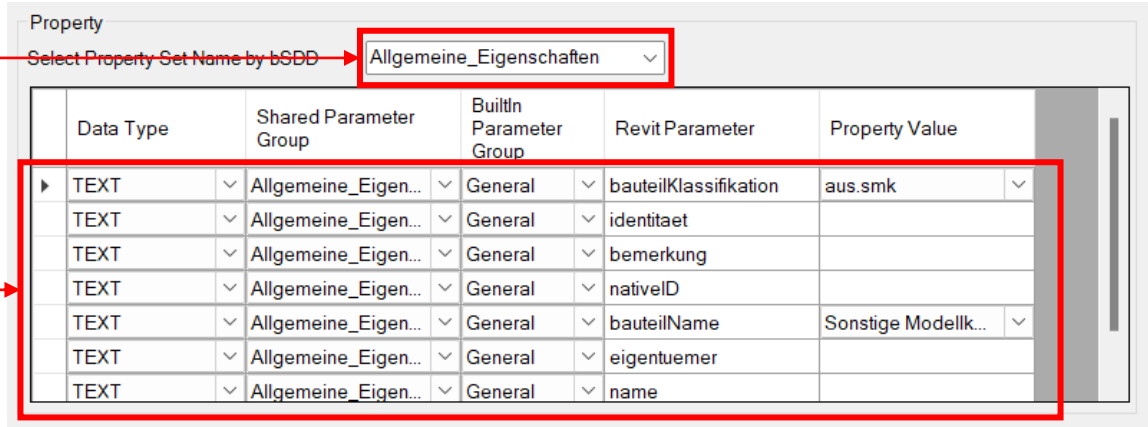
bSDD Revit plug-in “Capture”

For example,





Parameter	Value
Property Set Name	propertySet Name of Class properties
Revit Parameter	Name of Class properties
Property Value	Allowed Values of Class properties
Classification Code	“Class Code” : “Class Name”

※List of Parameters and Values is taken from bSDD.

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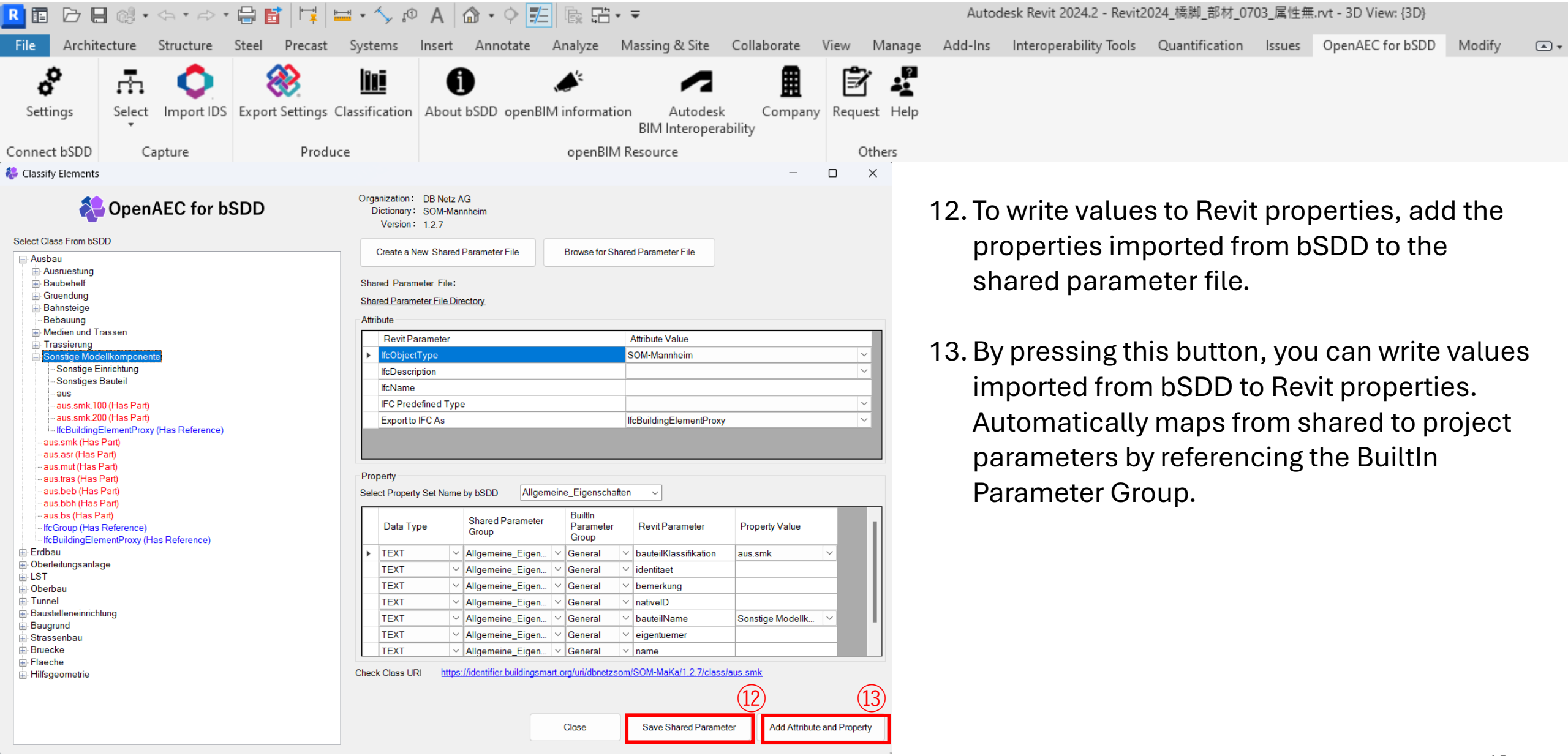
bSDD Revit plug-in “Capture”



12. To write values to Revit properties, add the properties imported from bSDD to the shared parameter file.

13. By pressing this button, you can write values imported from bSDD to Revit properties. Automatically maps from shared to project parameters by referencing the BuiltIn Parameter Group.

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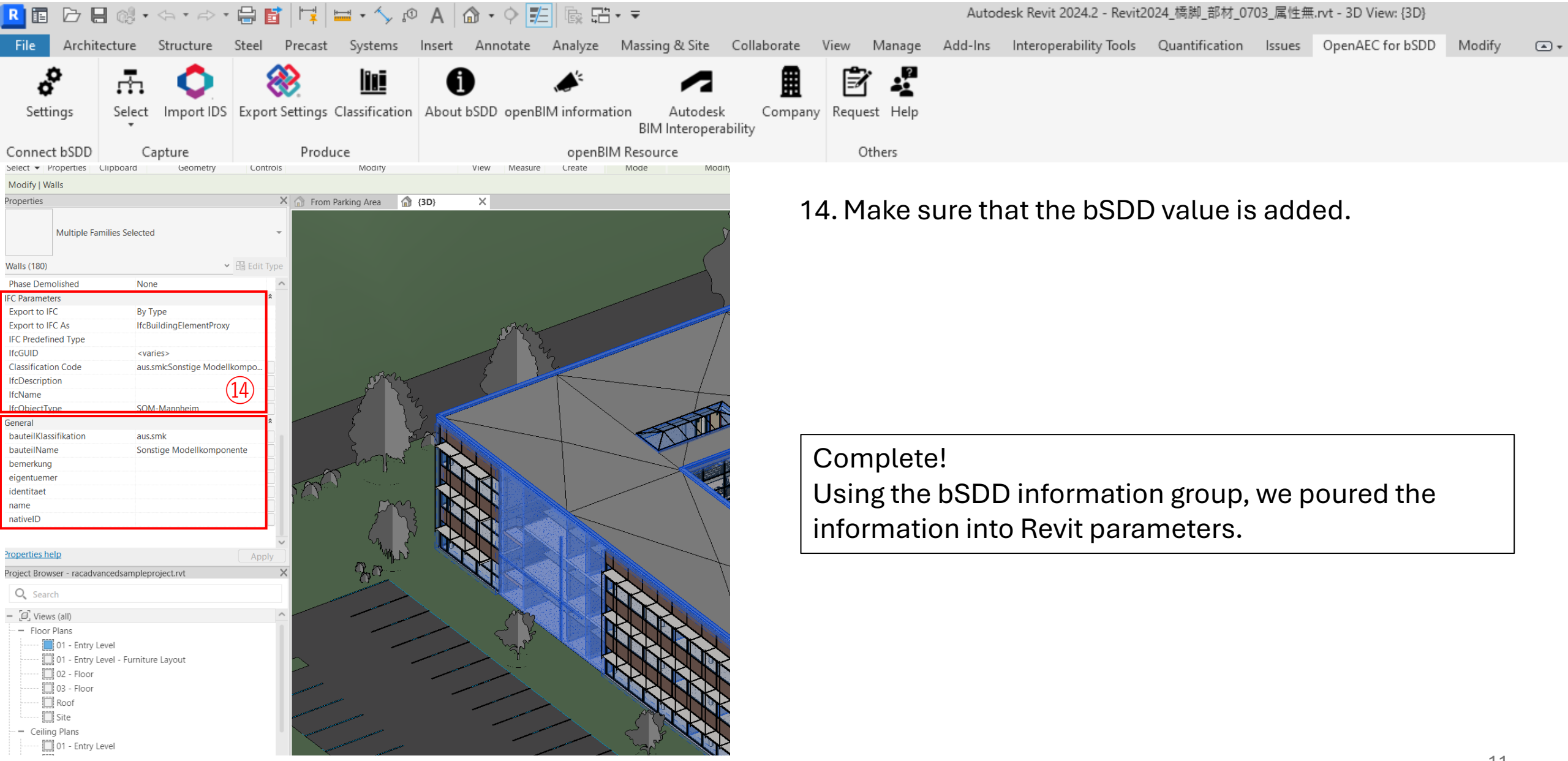
bSDD Revit plug-in “Capture”



14. Make sure that the bSDD value is added.

Complete!
Using the bSDD information group, we poured the information into Revit parameters.

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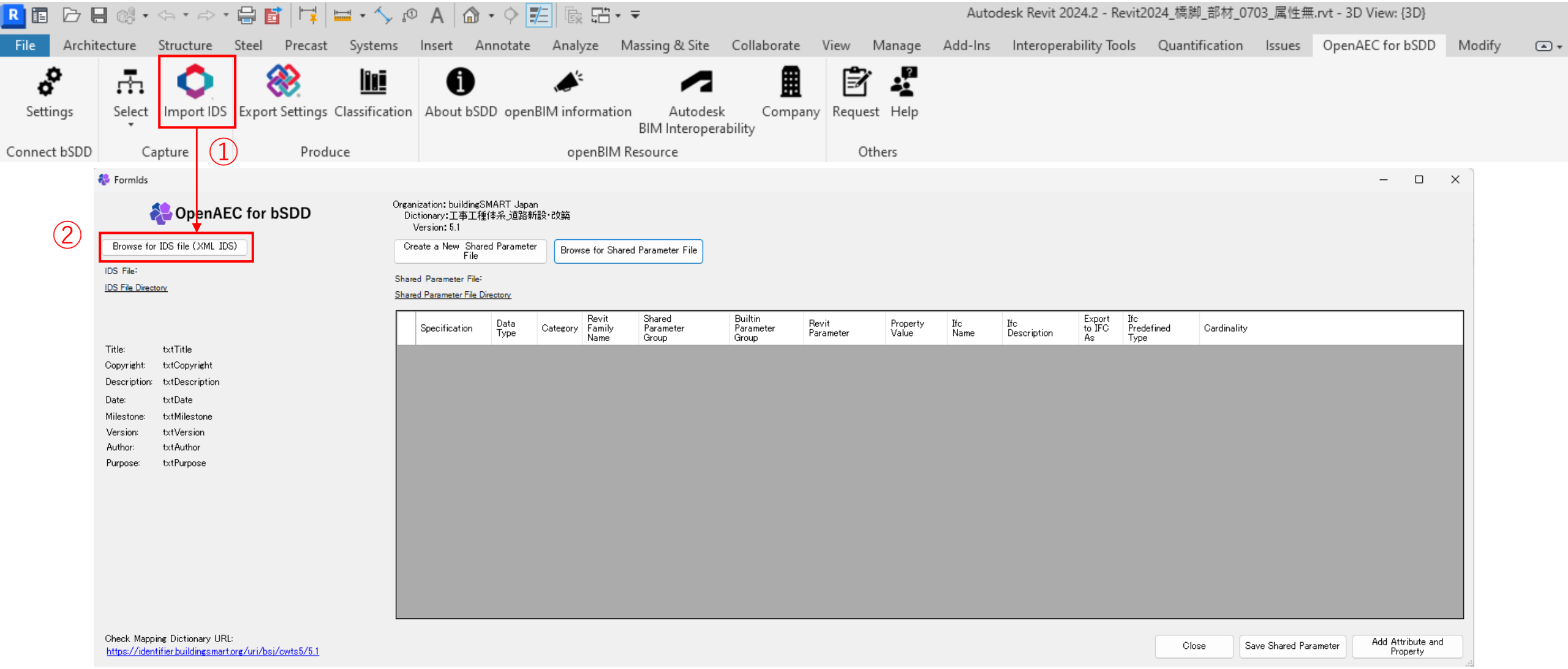
bSDD Revit plug-in “Import IDS”



1. Push “Import IDS”
2. Browse for IDS file

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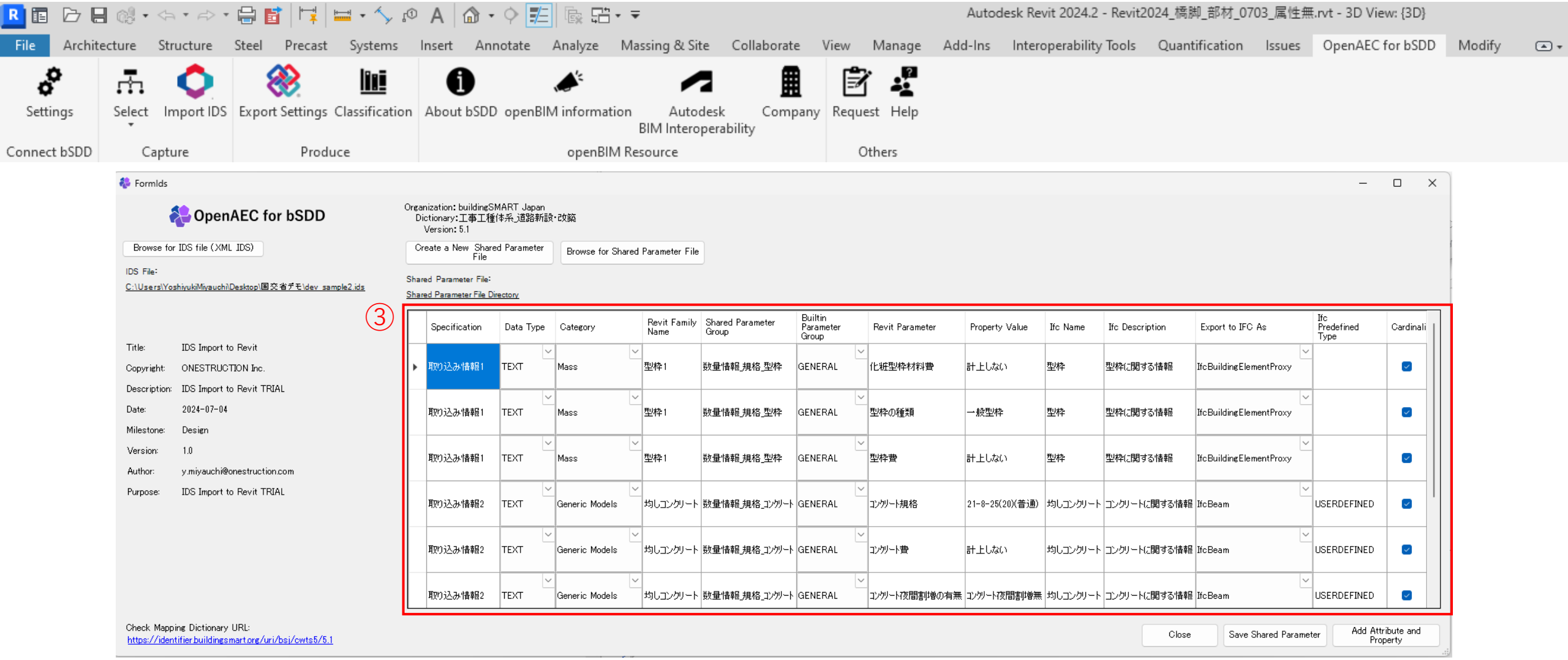
bSDD Revit plug-in “Import IDS”



	Specification	Data Type	Category	Revit Family Name	Shared Parameter Group	Builtin Parameter Group	Revit Parameter	Property Value	Ifc Name	Ifc Description	Export to IFC As	Ifc Predefined Type	Cardinali
▶	取り込み情報1	TEXT	Mass	型枠1	数量情報_規格_型枠	GENERAL	化粧型枠材料費	計上しない	型枠	型枠に関する情報	IfcBuildingElementProxy		☑
	取り込み情報1	TEXT	Mass	型枠1	数量情報_規格_型枠	GENERAL	型枠の種類	一般型枠	型枠	型枠に関する情報	IfcBuildingElementProxy		☑
	取り込み情報1	TEXT	Mass	型枠1	数量情報_規格_型枠	GENERAL	型枠費	計上しない	型枠	型枠に関する情報	IfcBuildingElementProxy		☑
	取り込み情報2	TEXT	Generic Models	均しコンクリート	数量情報_規格_コンクリート	GENERAL	コンクリート規格	21-8-25(20)(普通)	均しコンクリート	コンクリートに関する情報	IfcBeam	USERDEFINED	☑
	取り込み情報2	TEXT	Generic Models	均しコンクリート	数量情報_規格_コンクリート	GENERAL	コンクリート費	計上しない	均しコンクリート	コンクリートに関する情報	IfcBeam	USERDEFINED	☑
	取り込み情報2	TEXT	Generic Models	均しコンクリート	数量情報_規格_コンクリート	GENERAL	コンクリート夜間割増の有無	コンクリート夜間割増無	均しコンクリート	コンクリートに関する情報	IfcBeam	USERDEFINED	☑

3. When IDS is imported, the contents of the IDS are displayed. In this case, Revit categories are identified and displayed based on the Revit mapping dictionary in bSDD according to IFC entities.

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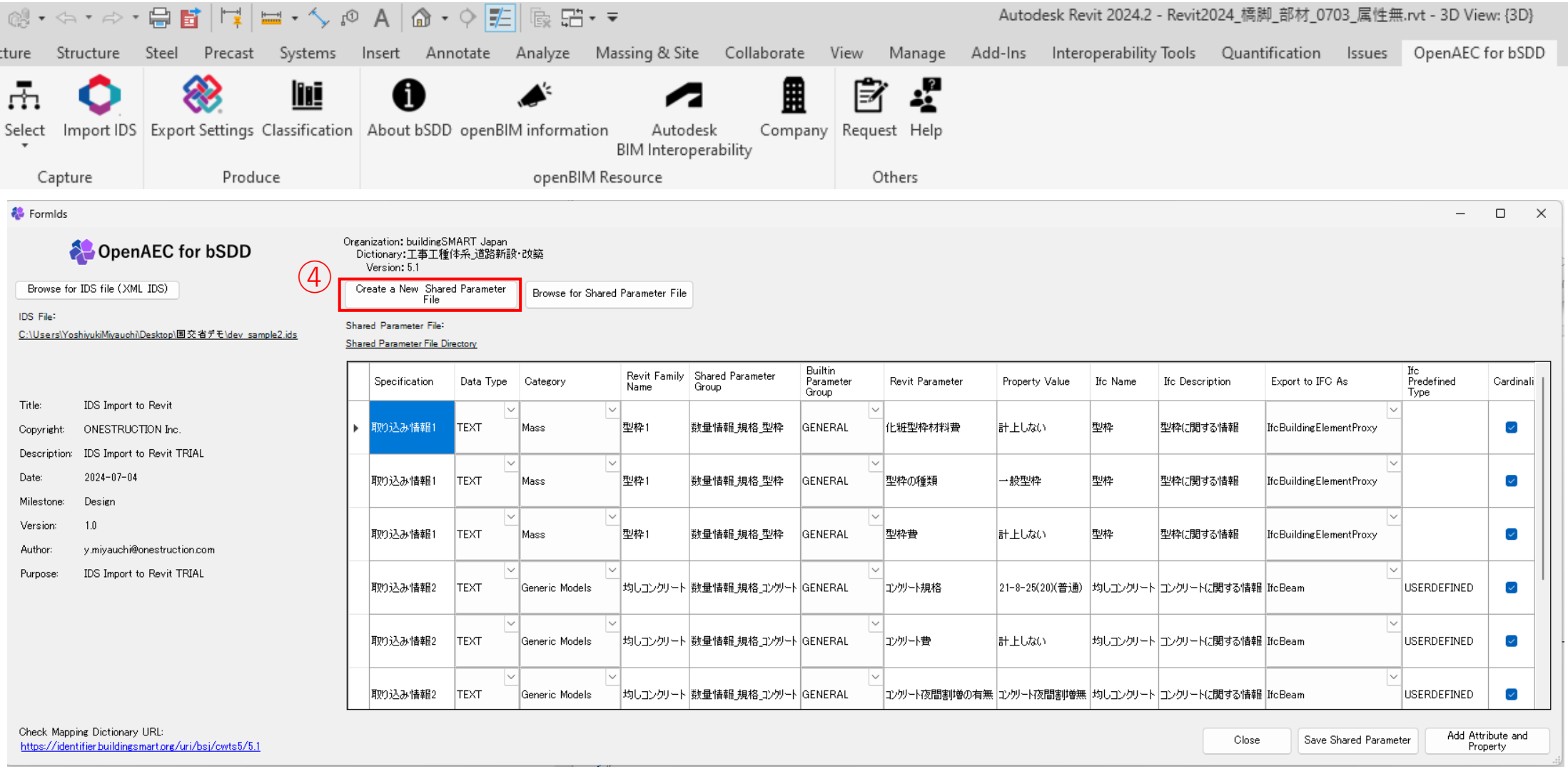
bSDD Revit plug-in “Import IDS”



4. You can create a new shared parameter file to populate the properties with IDS information.

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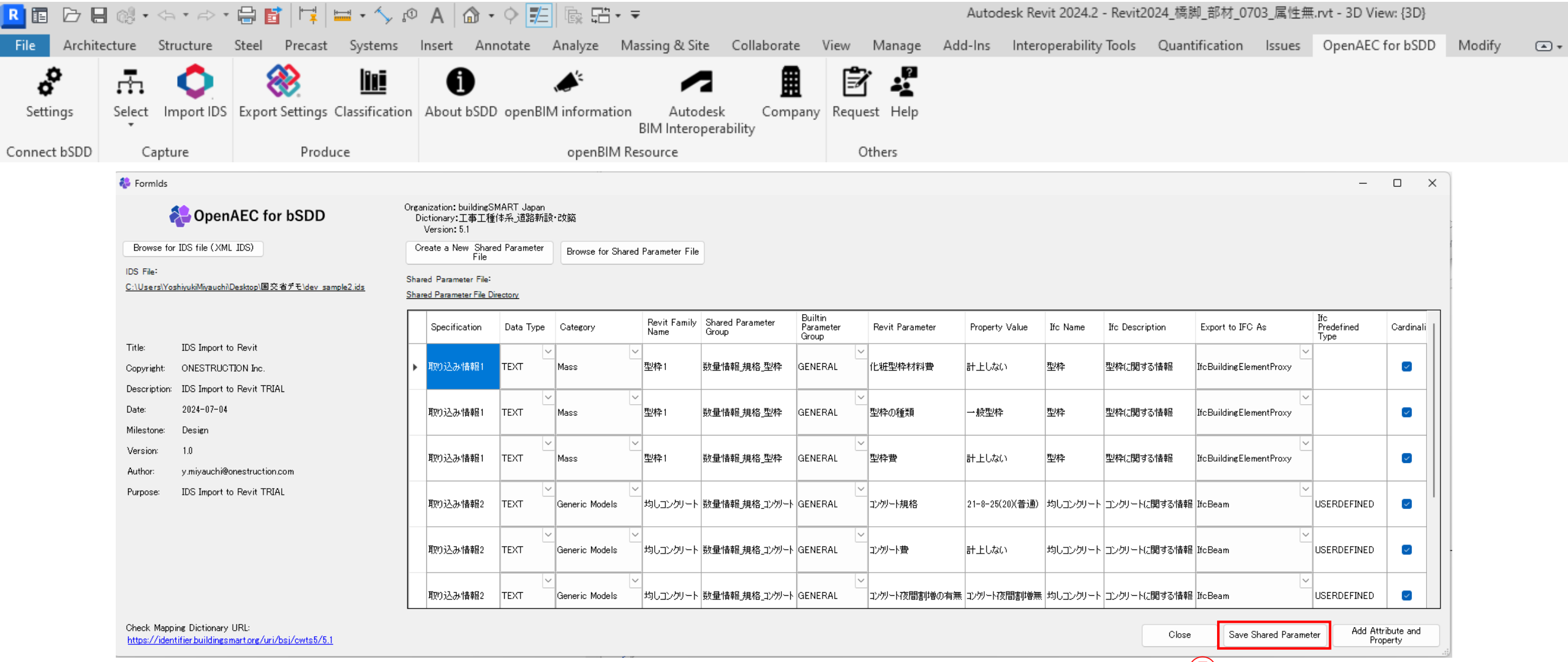
bSDD Revit plug-in “Import IDS”



5. To write values to Revit properties, add the properties imported from IDS to the shared parameter file.

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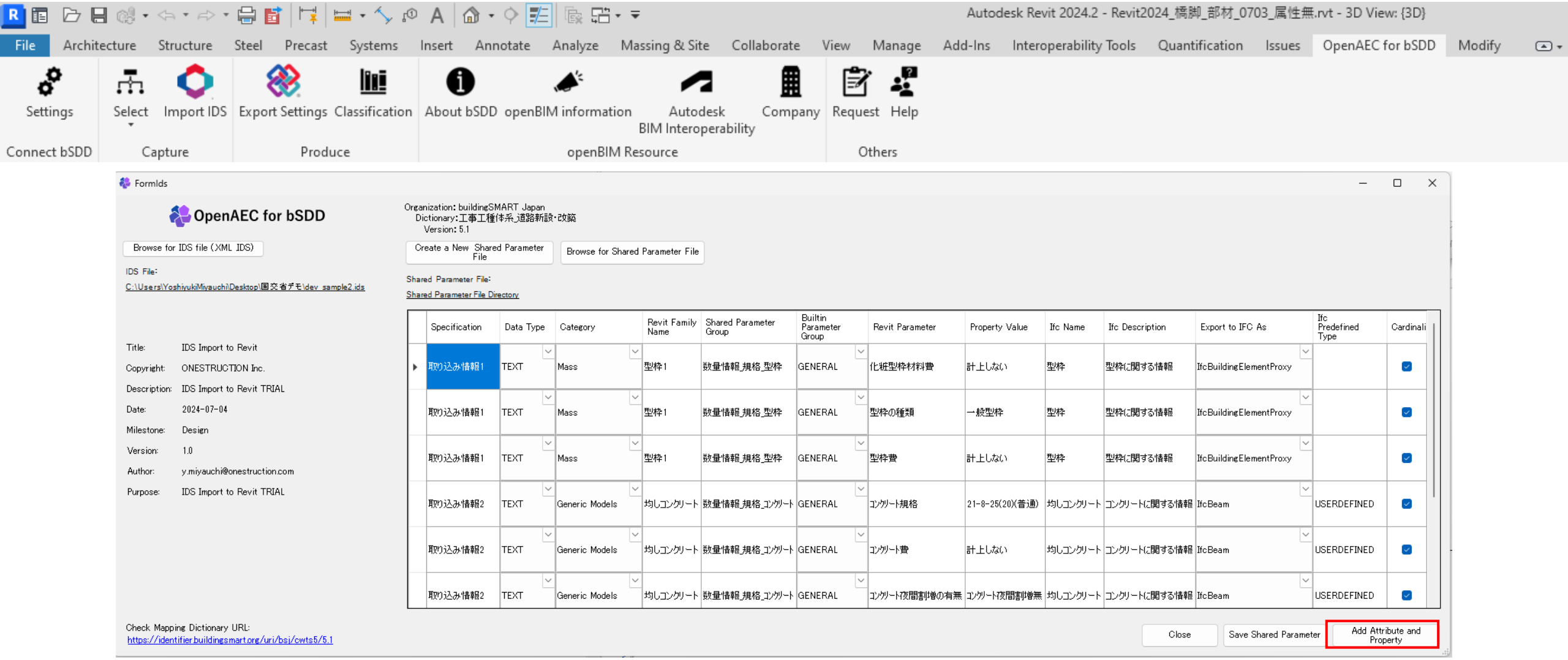
bSDD Revit plug-in “Import IDS”



⑥

6. By pressing this button, you can write values imported from IDS to Revit properties.
   Automatically maps from shared to project parameters by referencing the BuiltIn Parameter Group.

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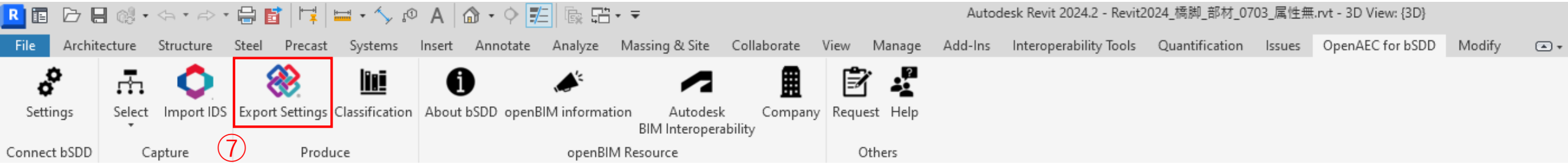
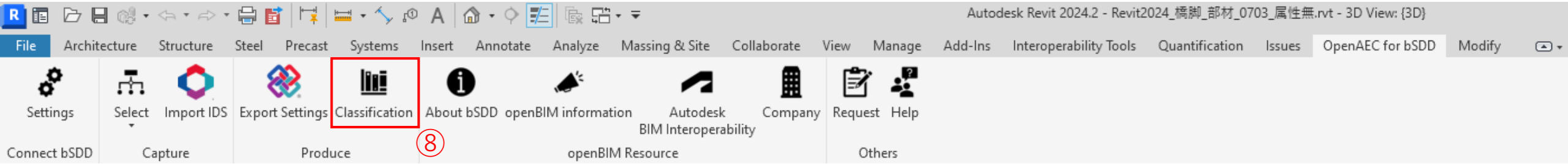
bSDD Revit plug-in “Export Settings & Classification”



7. When Produce IFC, many troublesome settings are required. This plug-in can be used to automatically create configuration files.



8. In Revit's IFC output settings, the IfcClassificationReference is incorrect. Therefore, by using this function, the information in IfcClassificationReference can be corrected correctly.

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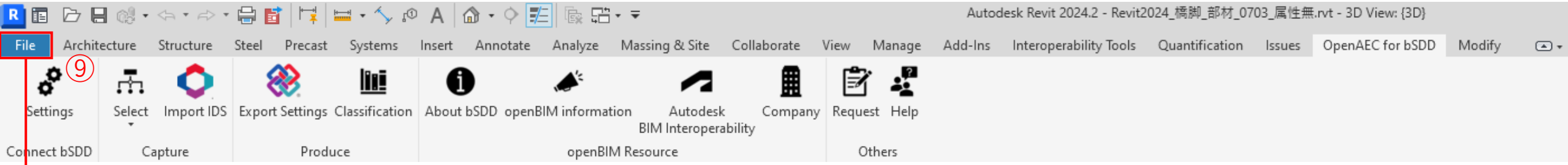
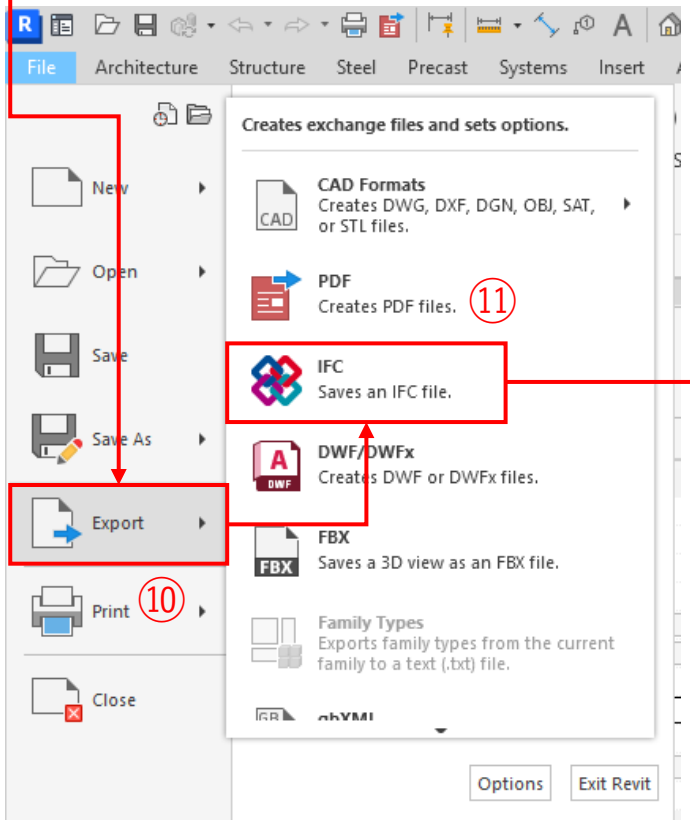
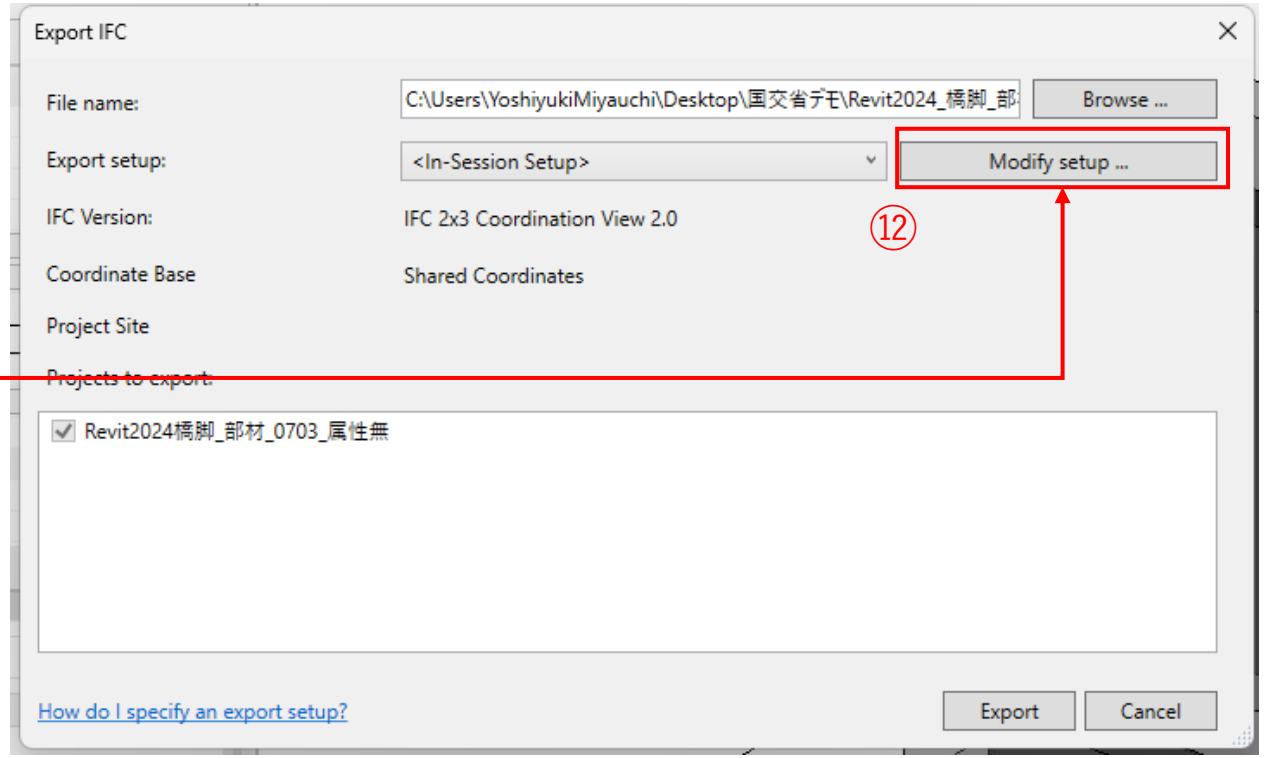
bSDD Revit plug-in “How to export IFC”







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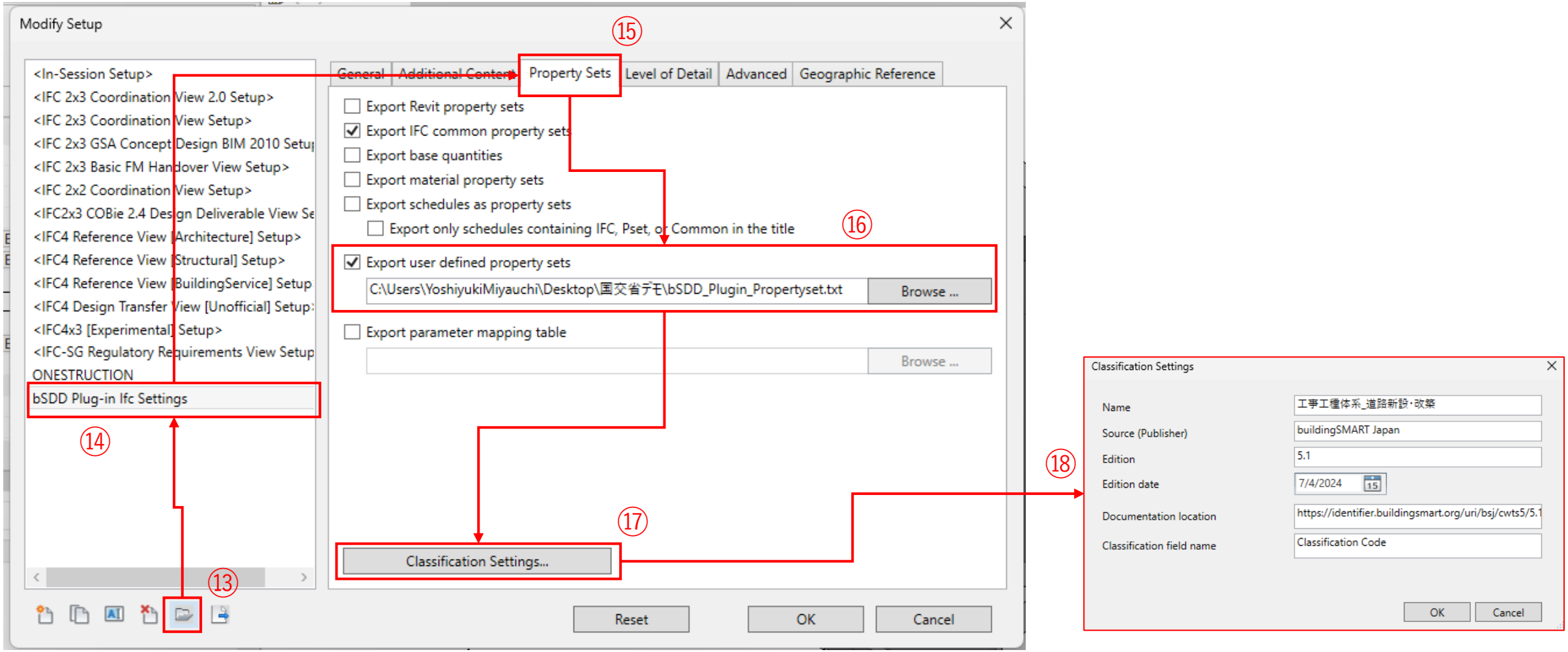
bSDD Revit plug-in “How to export IFC”



13. “bSDD Plug-in Ifc Settings.json” These configuration files are required for IFC output and are automatically generated by the plug-in.
16. “bSDD_Plugin_Propertyset.txt” These configuration files are required for IFC output and are automatically generated by the plug-in.

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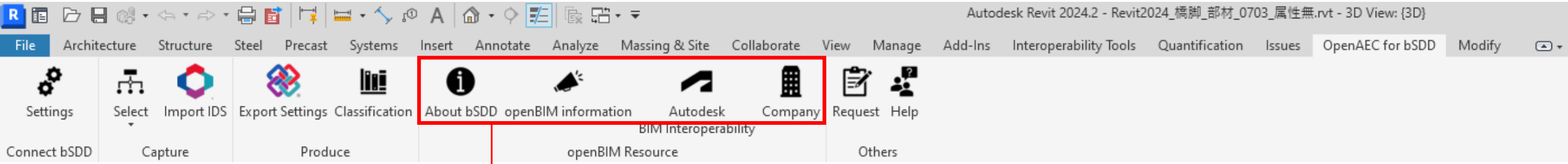
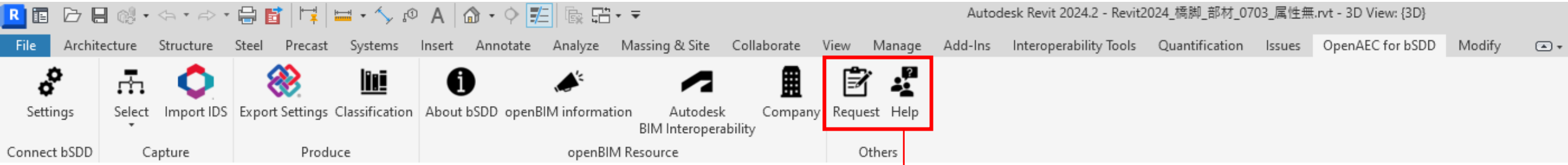
bSDD Revit plug-in “Others”



It is a ribbon that can display the bSDD's website, information about openBIM, and the website of the development company.



We are committed to understanding user feedback, requests, and error conditions.
Here, we collect various error details and requests through Microsoft Forms.

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